FIGURE 1A

FIGURE 1B

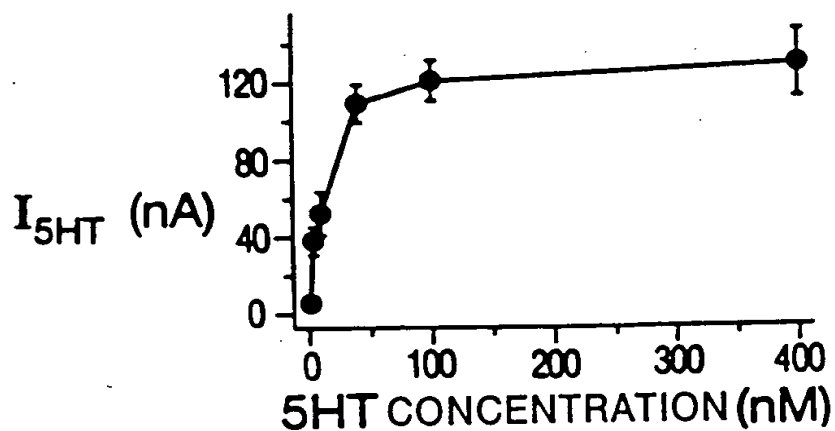FIGURE 1C

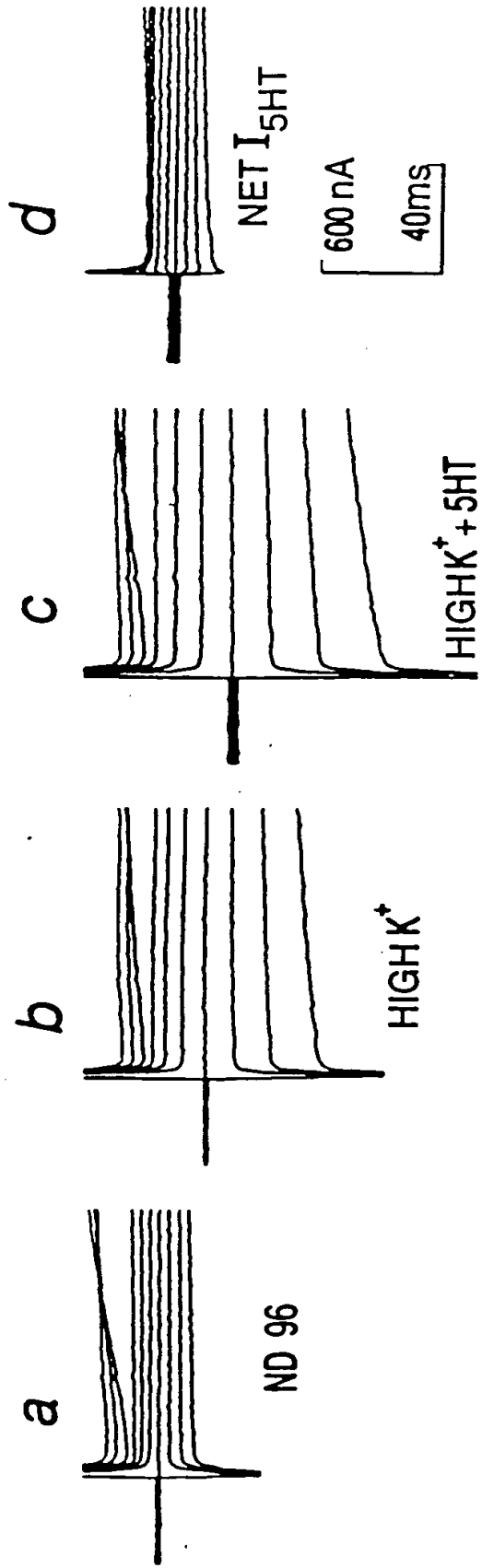## FIGURE 2A

a ND 96

b HIGH K⁺

c HIGH K⁺ + 5HT

d NET I_{5HT}

600 nA

40ms

FIGURE 2B

CURRENT (nA)

200
100
0
-100
-200
-300

-100   -50   0   50

V_m (mV)

FIGURE 2C

NET I_{5HT} (nA)

0
-50
-100
-150
-200
-250

-100   -50   0   50

V_m (mV)

FIGURE 2D

E_{rev} (mV)

-10
-20
-30
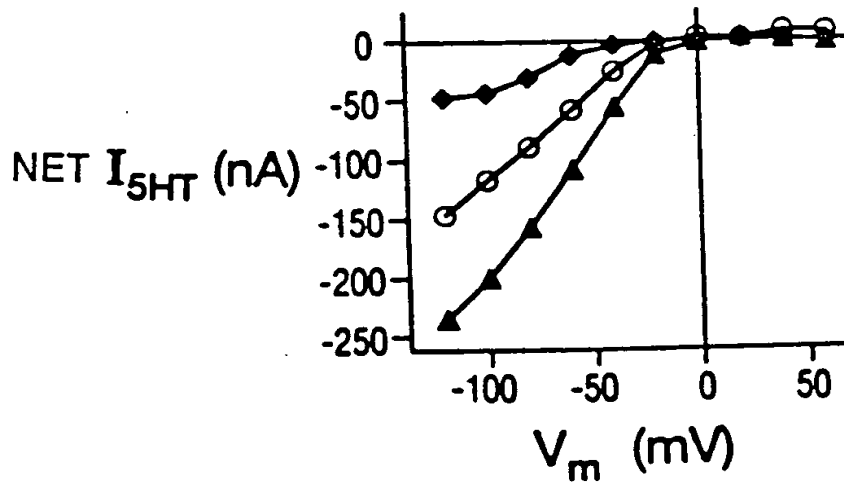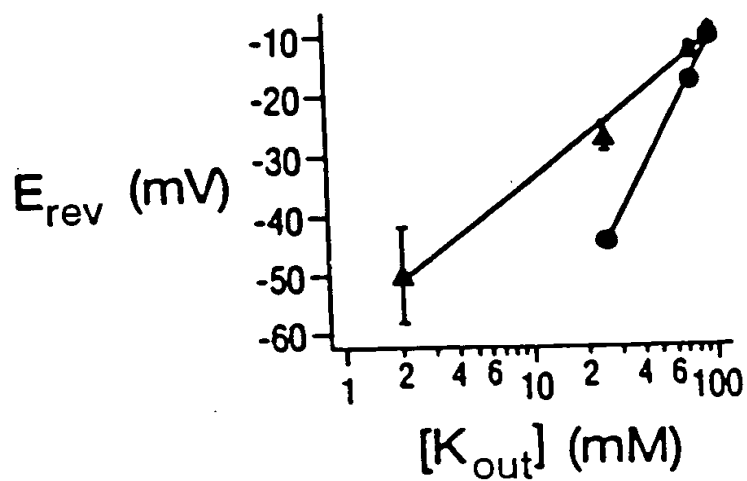-40
-50
-60

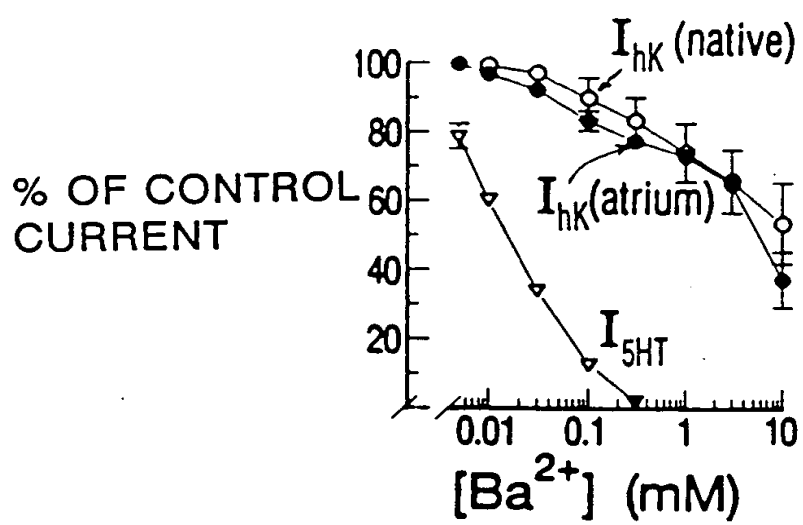1   2   4 6 10   2   4 6 100

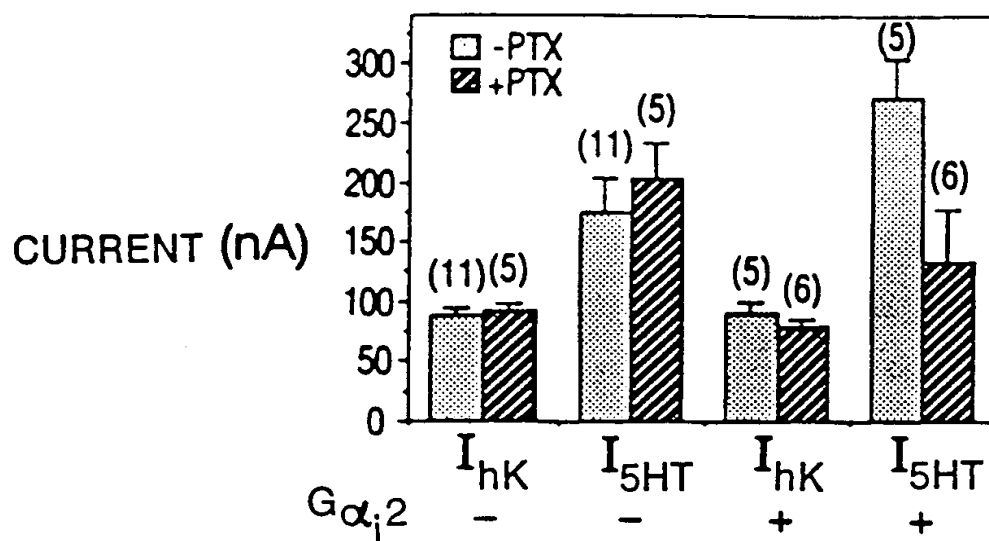$[K_{out}]$ (mM)
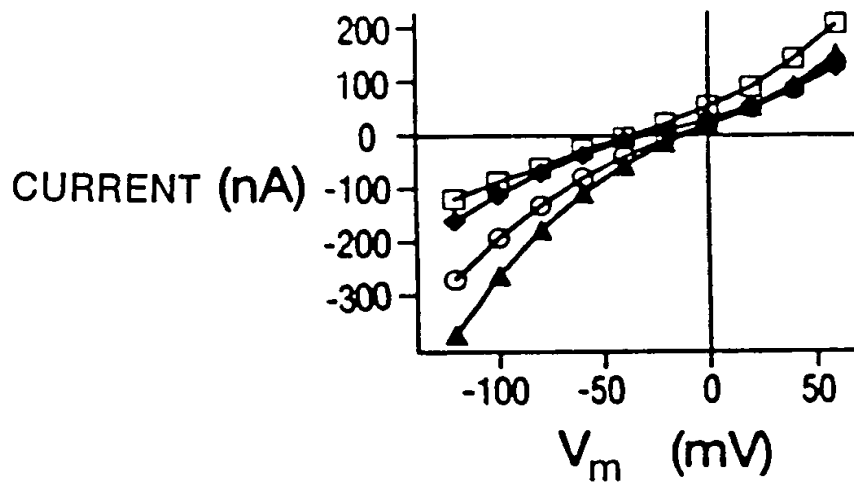
FIGURE 3A FIGURE 3B FIGURE 3C
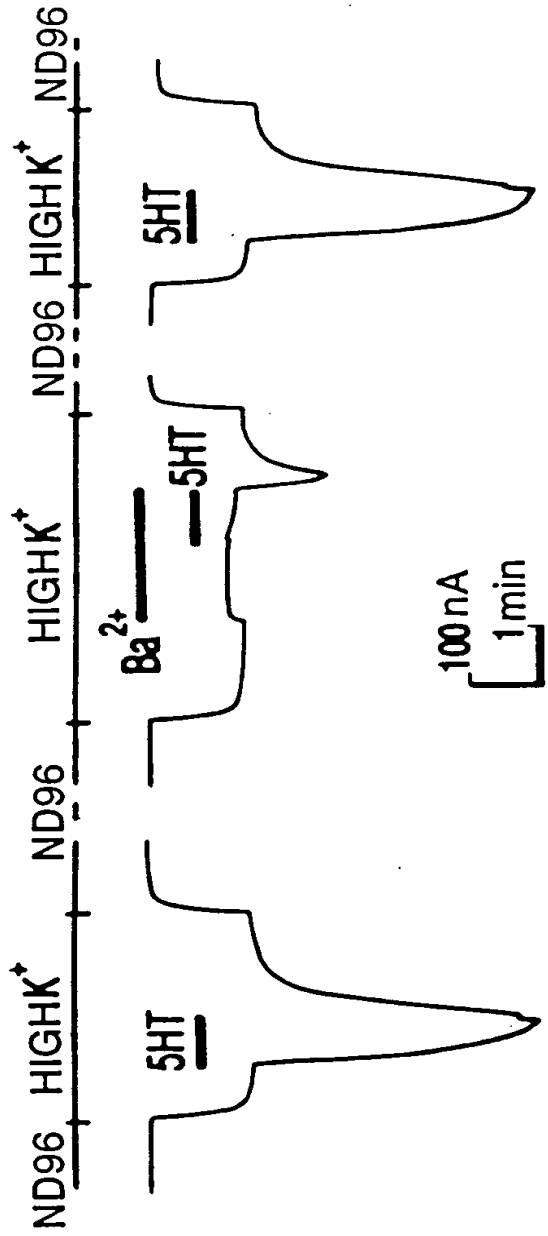
FIGURE 3D

FIGURE 4A

FIGURE 4B